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# ENVIRONMENTAL

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# DESIGN

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# RESEARCH

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# DIVISION OFFICE

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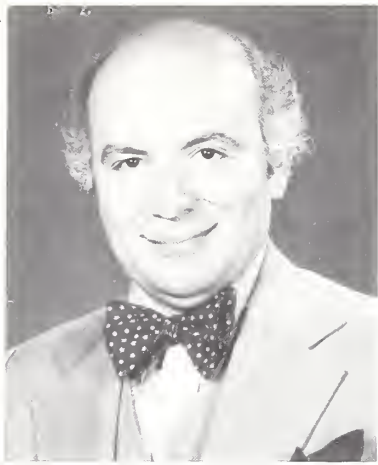
# STAFF

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**U.S. DEPARTMENT OF COMMERCE / National Bureau of Standards**  
National Engineering Laboratory / Center for Building Technology





Francis T. Ventre

Chief, Environmental Design Research Division  
Center for Building Technology  
National Bureau of Standards

Ph.D., Urban Studies and Planning, Massachusetts  
Institute of Technology.  
M.C.P., City Planning, University of California.  
B. Arch., Pennsylvania State University.

Francis T. Ventre is the Chief of the Environmental Design Research Division of the National Bureau of Standards' Center for Building Technology. The Division performs laboratory and field research to further understanding of building performance with a view to improving the design, construction, use, operation and regulation of the Nation's buildings and multi-building complexes. Nearly two-thirds of the Division's work is supported by seven Federal agencies with building-related programs.

Dr. Ventre holds degrees in architecture and planning from Penn State, California at Berkeley, and MIT. He taught at UCLA and MIT, and served as a consultant to public agencies and private firms in Pennsylvania, Kentucky, California, Massachusetts, and New York. In 1968, he co-founded (with two others) Environment and Behavior, the first interdisciplinary scholarly journal in that emerging field.

Dr. Ventre was a Catherine Bauer Wurster Fellow at the MIT-Harvard Joint Center for Urban Studies before joining in NBS in 1973. While at the Joint Center, he was a technical advisor to a three-year legislative effort culminating in the comprehensive revision of the Massachusetts statutes concerning building regulation. The present Massachusetts State Building Code Commission was established as a result of that legislation.

He is a member of the American Institute of Planners, the American Society of Planning Officials and the Environmental Design Research Association.

Publications:

Co-founder, Environment and Behavior, quarterly interdisciplinary research journal established in 1968.

"Toward a Science of Environment," (review article), American Behavioral Scientist, Vol. 10, No. 1, September 1966.

"Local Initiatives in Urban Industrial Development," Urban Affairs Quarterly, Vol. 2, No. 2, December 1966.

"An Introductory Comment on the Periodical Literature in Architectural Design and Construction," (invited review article), Journal of the American Institute of Planners, Vol. 33, No. 5, September 1967 (50th Anniversary Issue).

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Report Relative to the Development, Administration and Enforcement of Building Codes, Massachusetts Department of Community Affairs, Office of Code Development, December 1970.

"Local Regulation of Buildings: Agencies, Codes and Politics," Municipal Yearbook: 1971 (Washington: International City Management Association), March 1971, coauthor.

Maintaining Technological Currency in the Local Building Code: Patterns of Communication and Potential Influence, ICMA Urban Data Service Report, April 1971.

"Transforming Environmental Research into Regulatory Policy," Proceedings of the Sixth Annual Conference of the Environmental Design Research Association (Stroudsburg, PA: Dowden, Hutchinson and Ross) 1975.

"Energy Conservation through the Building Regulatory System: Public Initiatives," Proceedings of December 11-12, 1973 Conference on Building for Energy Conservation (Amherst, MA: University of Massachusetts and Massachusetts Department of Community Affairs) 1975.

"Decision-aiding Communications in the Regulatory Agency: the Partisan Uses of Technical Information," (invited article) Industrialization Forum (IF), Vol. 8, No. 1, 1977.



Heinz R. Trechsel

Chief, Rehabilitation Technology Program  
Center for Building Technology  
National Bureau of Standards

Graduate Architect, Swiss Federal Institute of Technology,  
Zurich, Switzerland, 1952.

Mr. Trechsel is the Rehabilitation Technology Program Chief in the Environmental Design Research Division. He manages research activities relating to the rehabilitation of buildings and the conservation of energy in existing buildings.

In the past he held the following positions at NBS: Program Manager, Energy Conservation in Buildings; Project Leader, Construction Research, and Research Architect for the Coordinated Evaluation Systems Project.

Other experience: Prior to joining NBS in 1972, he was employed by the Research Laboratory of U.S. Steel Corporation in Monroeville, Pennsylvania where he was active in applications and building research, and in building product design. Other experience includes participation in the voluntary standards process and in all phases of architectural practice.

#### Publications

"Energy Effective Windows," Proceedings of a Joint DoE (ERDA/NBS Conference/Roundtable on Energy Effective Windows, NBS SP 512, April 1978.

"Test Methods for Windows and Walls--The Need for a Testing Program," Proceedings RILEM/ASTM/CIB Symposium on Performance of External Vertical Surfaces, 1977.

"Research in Energy Conservation," Journal of Architectural Education, February 1977.

"Model Documents for Evaluation, Approval, and Inspection of Manufactured Buildings," NBS BSS 87, July 1976, co-author.

"Construction Research - Proposal for CBT Construction Research Activities," March 1974.

"Structural Performance Test Method for Windows, Curtain Walls and Doors," West Point, PA, ASTM Special Publication No. 552, April 1974.

